

Sequence Listing



<110> Cochran, Andrea G.
Skelton, Nicholas J.
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<120> Structured Peptide Scaffold For Displaying Turn
Libraries On Phage

<130> P1762R1 US

<140> US 09/592,695

<141> 2000-06-13

<150> US 60/139,017

<151> 1999-06-14

<160> 25

<210> 1

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Xaa at positions 3 and 5 are selected from the group consisting of
amino acids Trp, Tyr, Phe, Leu, Met, Ile and Val;

<220>

<221> Artificial Sequence

<222> Full

<223> Xaa at positions 2 and 6 are selected from the group consisting of
amino acids Trp, Tyr, Phe, His, Ile, Val and Thr;

<220>

<221> Artificial Sequence3

<222> Full

<223> Xaa at position 4 stands for 3-12 L-form amino acids.

<220>

<221> unsure

<222> 2-6

<223> unknown amino acid

<400> 1

Cys Xaa Xaa Xaa Xaa Xaa Cys
1 5

<210> 2

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide

<400> 2

Cys Thr Trp Glu Gly Asn Lys Leu Thr Cys
1 5 10

<210> 3

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide

<400> 3

Ser Cys Thr Trp Glu Gly Asn Lys Leu Thr Cys Lys
1 5 10

<210> 4

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide

<400> 4

Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys
1 5 10

<210> 5

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide

<400> 5

Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys
1 5 10

<210> 6

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide

<400> 6

Ser Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys Lys
1 5 10

<210> 7

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide

<400> 7

Ser Cys Thr Asn Gln Gly Ser Phe Leu Thr Cys Lys
1 5 10

<210> 8

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide
 <400> 8
 Ser Cys Gly Trp Gln Gly Ser Phe Leu Thr Cys Lys
 1 5 10
 <210> 9
 <211> 12
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> turn peptide
 <400> 9
 Ser Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys Lys
 1 5 10
 <210> 10
 <211> 12
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> turn peptide
 <400> 10
 Ser Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys Lys
 1 5 10
 <210> 11
 <211> 12
 <212> PRT
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 <220>
 <223> turn peptide
 <400> 11
 Ser Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys Lys
 1 5 10
 <210> 12
 <211> 10
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> turn peptide
 <400> 12
 Cys Thr Lys Val Trp Gln Leu Trp Thr Cys
 1 5 10
 <210> 13
 <211> 12
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> turn peptide
 <400> 13

Ser Cys Thr Trp Val Trp Gln Leu Leu Thr Cys Lys
 1 5 10
 <210> 14
 <211> 12
 <212> PRT
 <213> Artificial Sequence
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 <223> turn peptide
 <400> 14
 Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
 1 5 10
 <210> 15
 <211> 12
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 <223> turn peptide
 <400> 15
 Ser Cys Thr Trp Gly Pro Leu Thr Leu Thr Cys Lys
 1 5 10
 <210> 16
 <211> 10
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> turn peptide; Xaa is Trp, Tyr, Leu, Val, Thr or Asp.
 <220>
 <221> unsure
 <222> 3
 <223> unknown amino acid
 <400> 16
 Cys Thr Xaa Glu Gly Asn Lys Leu Thr Cys
 1 5 10
 <210> 17
 <211> 10
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 <213> Artificial Sequence
 <220>
 <223> turn peptide; Xaa is Trp, Tyr, Leu, Val, Thr or Asp.
 <220>
 <221> unsure
 <222> 3
 <223> unknown amino acid
 <400> 17
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 1 5 10
 <210> 18
 <211> 10

<212> PRT
 <213> Artificial Sequence

 <220>
 <223> turn peptide; Xaa is Trp, Tyr, Leu, Val, Thr or Asp.

 <220>
 <221> unsure
 <222> 3
 <223> unknown amino acid

 <400> 18
 Cys Thr Xaa Glu Pro Asn Lys Leu Thr Cys
 1 5 10

 <210> 19
 <211> 10
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> turn peptide; Xaa is Trp, Tyr, Leu, Val, Thr or Asp.

 <220>
 <221> unsure
 <222> 3
 <223> unknown amino acid

 <400> 19
 Cys Thr Xaa Glu Pro Gly Lys Leu Thr Cys
 1 5 10

 <210> 20
 <211> 10
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 <220>
 <223> Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala

 <220>
 <221> unsure
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 <223> unknown amino acid

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 1 5 10

 <210> 21
 <211> 10
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 <220>
 <223> Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala

 <220>
 <221> unsure
 <222> 8
 <223> unknown amino acid

 <400> 21

Cys Thr Leu Glu Gly Asn Lys Xaa Thr Cys
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<210> 22

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala

<220>

<221> unsure

<222> 3

<223> unknown amino acid

<400> 22

Cys Thr Xaa Glu Gly Asn Lys Trp Thr Cys
1 5 10

<210> 23

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala

<220>

<221> unsure

<222> 8

<223> unknown amino acid

<400> 23

Cys Thr Trp Glu Gly Asn Lys Xaa Thr Cys
1 5 10

<210> 24

<211> 102

<212> DNA

<213> Artificial Sequence

<220>

<223> synthesized sequence

<400> 24

taataataaaa tggctgatcc gaaccgtttc cgcggtaaag atctgggtgg 50

cgggtactcca aacgaccgc caaccactcc accaactgat agcccaggcg 100

gt 102

<210> 25

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthesized sequence; N is A, T, G or C; S is G or C

<220>

<221> unsure

<222> 19-20, 31-32, 34-35, 37-38, 40-41, 52-53

<223> unknown base

<400> 25

tccgcctcgg cttatgcann stgcacttgg nnsnnsnnsn nsctgacttg 50

nnnsatggct gatccgaacc gt 72

sub
anal
anal
anal